Building Dockerfile


```
Selected: sha256:c7123fdc72cfd47060f0c3a5957a5585a851981961ba91bb9b69c1adb58115a
PS C:\Users\Asus\Desktop> docker build -t 'npsea2k21/ping' .
[+] Building 1.8s (7/7) FINISHED
 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 143B
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [internal] load metadata for docker.io/library/ubuntu:16.04
 => [1/3] FROM docker.io/library/ubuntu:16.04
 => CACHED [2/3] RUN apt-get update
 => CACHED [3/3] RUN apt-get install -y iputils-ping
 => exporting to image
 => => exporting layers
 => => writing image sha256:f411b65f43a4f351186156d68f58758fbb05fb7af18619c327da13c4a9aad4f9
 => => naming to docker.io/npsea2k21/ping

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\Asus\Desktop> docker images
REPOSITORY                  TAG        IMAGE ID       CREATED        SIZE
npsea2k21/ping              latest     f411b65f43a4   2 hours ago    169MB
ubuntu                      16.04      aefd7f02ae24   3 weeks ago    134MB
alpine/git                  latest     c99c7d810bc1   3 weeks ago    25.1MB
docker/getting-started      latest     3ba8f2ff0727   8 weeks ago    27.9MB
PS C:\Users\Asus\Desktop>
```

Optimizing Dockerfile (same filesize)


```
Selected: sha256:f411b65f43a4f351186156d68f58758fbb05fb7af18619c327da13c4a9aad4f9
PS C:\Users\Asus\Desktop> docker build -t 'npsea2k21/ping' .
[+] Building 1.9s (8/8) FINISHED
 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 275B
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [internal] load metadata for docker.io/library/ubuntu:16.04
 => [1/4] FROM docker.io/library/ubuntu:16.04
 => CACHED [2/4] RUN apt-get update
 => CACHED [3/4] RUN apt-get install -y iputils-ping
 => CACHED [4/4] RUN apt-get clean     && cd /var/lib/apt/lists && rm -fr *Release* *Sources* *Packages*
 => exporting to image
 => => exporting layers
 => => writing image sha256:7910287726cf16b373a2254065de71cff4a18e840f77df8475ded8f19bbb6f0e
 => => naming to docker.io/npsea2k21/ping

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\Asus\Desktop> docker images
REPOSITORY                  TAG        IMAGE ID       CREATED        SIZE
npsea2k21/ping              latest     7910287726cf   2 hours ago    169MB
ubuntu                      16.04      aefd7f02ae24   3 weeks ago    134MB
alpine/git                  latest     c99c7d810bc1   3 weeks ago    25.1MB
docker/getting-started      latest     3ba8f2ff0727   8 weeks ago    27.9MB
```

Collapsing all of the related RUN directives together

```
[+] Building 1.7s (6/6) FINISHED
 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 283B
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [internal] load metadata for docker.io/library/ubuntu:16.04
 => [1/2] FROM docker.io/library/ubuntu:16.04
 => CACHED [2/2] RUN apt-get update    && apt-get install -y iputils-ping    && apt-get clean    && cd /var
 => exporting to image
 => => exporting layers
 => => writing image sha256:e689b65e1d71272cd434b973d4288bbf325612884e326127c0270685d1974042
 => => naming to docker.io/npsea2k21/ping


Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\Asus\Desktop> docker images
REPOSITORY             TAG        IMAGE ID        CREATED        SIZE
npsea2k21/ping         latest     e689b65e1d71    2 hours ago    138MB
<none>                 <none>     7910287726cf    2 hours ago    169MB
ubuntu                 16.04      aefd7f02ae24    3 weeks ago    134MB
alpine/git             latest     c99c7d810bc1    3 weeks ago    25.1MB
docker/getting-started latest     3ba8f2ff0727    8 weeks ago    27.9MB
```